SEVIC BLUE LASER

SBL0304MP4

- INSTRUCTION MANUAL

SEVIC SYSTEMS
www.sevic.com

V20071024

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Thank you for your choosing our product. We hope you will find the instructions in this user manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new unit for maximum enjoyment.

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Preparation

Please read all of the instructions before beginning the installation. We recommend having your unit installed by a credible installation shop.

Features

- Single DIN size, all-in-one highly integrated functions of entertainment system
- Built-in DVD Player, Car specification slot-in mechanism
- Built-in RDS FM/AM Tuner
- High resolution 7"(16:9) TFT color monitor; with LCD dot matrix display
- Built-in 45W X 4 output amplifier
- Turn out and slot-in panel structure.
- Smart Touch-screen operation
- Anti Theft detachable keyboard
- All functions Remote Control operation
- Buttons and Encoder operation
- Steering wheel button operation interface
- Standby mode
- Powerful Graphic UI and software update ability.

Tools and Supplies

You will need these tools and supplies to install your unit.

- Torx type, flat-head and Philips screwdrivers
- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Volt meter/test light
- Crimp connections
- 18 gauge wire for power connections
- 16 – 18 gauge speaker wire

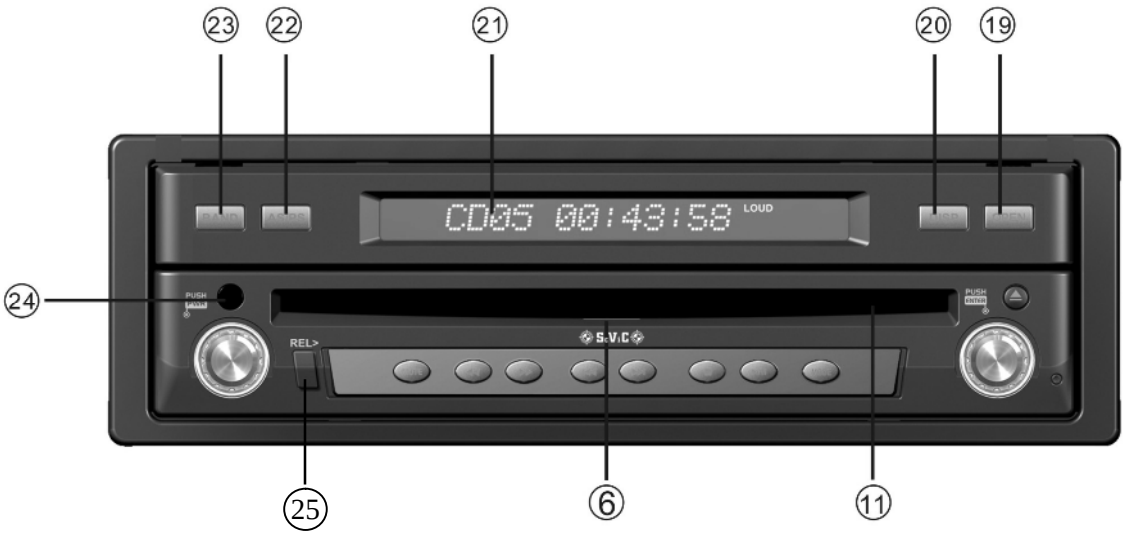
WARNING! Only connect the unit to a 12-volt power supply with proper grounding.
WARNING! Never install this unit where operation and viewing could interfere with safe driving conditions.
WARNING! To reduce the risk of a traffic accident (except when using for rear view video camera) never use the video display function while driving the vehicle. This is a violation of law.
WARNING! Never disassemble or adjust the unit without the assistance of a professional. For details, please consult your local car stereo specialty shop.
WARNING! To prevent injury from shock or fire, never expose this unit to moisture or water.
WARNING! Never use irregular discs.
WARNING! To prevent damage to the mechanism inside this unit, avoid impact to the TFT monitor.
WARNING! Do not change the fuse on the power wire without professional guidance. Using an improper fuse may cause damage to the unit and result in a fire.
WARNING! The monitor employs an automatic motorised mechanism. To prevent damage to the core mechanism, please do not push, pull or swivel the monitor manually.
WARNING! This device is equipped with a safety feature that prohibits viewing of moving pictures whilst the vehicle is in motion.
The Pink safety wire (Brake) on the systems own loom must be connected to the vehicles hand brake system (ground active).

Disconnecting the Battery

To prevent a short circuit, be sure to turn off the ignition and to remove the negative (-) battery cable from car.

Controls and Indicators

Button Operation



○,1 VOL

Rotary encoder.
Power On/Off: Press this encoder to turn on this unit, press and hold to turn off.
Rotate clockwise/anticlockwise to adjust the volume.

○,2 MUTE

Press the MUTE button to mute the volume, and press the button again to restore the volume.

○,3 FAST REVERSE

Fast reverse play the disc content in DVD/SD mode.
Press to tune frequency backward one step in TUNER mode.

○,4 FAST FORWARD

Fast forward play the disc content in DVD mode
Press to tune frequency forward one step in TUNER mode.

○,5 PREVIOUS

Select the previous chapter/track for playback.
Seek an available radio station by decreasing tuning frequency

○,6 DISC INDICATOR LIGHT

It is blue when there is no disc in the unit.
It is red when there is disc in the unit.

○,7 NEXT

Select the next chapter/track for playback.
Seek an available radio station by increasing tuning frequency

○,8 STOP

Stop playback in DVD mode.
Select FM/AM band in TUNER mode

○,9 PLAY/PAUSE

Press once for play/pause.
Press to scan radio stations stored in the 6 preset channels in TUNER mode

○,10 MODE

Press once to select the playing source.

○,11 DISK SLOT

○,12 RESET

Press to reset system settings (except the DVD setup).

○,13 ENTER

Rotary encoder.
Press this encoder to access **MAIN** menu.
Rotate clockwise/anticlockwise to select desired item and press once to access or confirm.

○,14 EJECT

Press once for disc insertion/ejection.

○,15 INFO/PICTURE

Press to display the playing information on the screen.
Press and hold to access the picture setup.

○,16 ANGLE+

Press the button to adjust the upward tilt angle of the screen one step at a time.
Press and hold this button to adjust the upward tilt angle of the screen continuously.
Press this button to adjust the picture settings in picture setup.

○,17 ANGLE-

Press the button to adjust the downward tilt angle of the screen one step at a time.
Press and hold this button to adjust the downward tilt of the screen continuously.
Press this button to adjust the picture settings in picture setup.

○,18 TFT DISPLAY

○,19 CLOSE (OPEN)

Press the ⏏ button to activate the automatic mechanical system and move the TFT monitor into viewing position. Press again to return.

○,20 DISP

Press the **DISP** button to display system information on the LCD screen or on the TFT screen.

○,21 LED DISPLAY

○,22 AS/PS (Auto store/program scan)

Press to auto store strong radio stations in the 6 preset channels in the current band.
Press and hold to start to scan radio stations stored in the 6 preset channels in the current band.

○,23 BAND

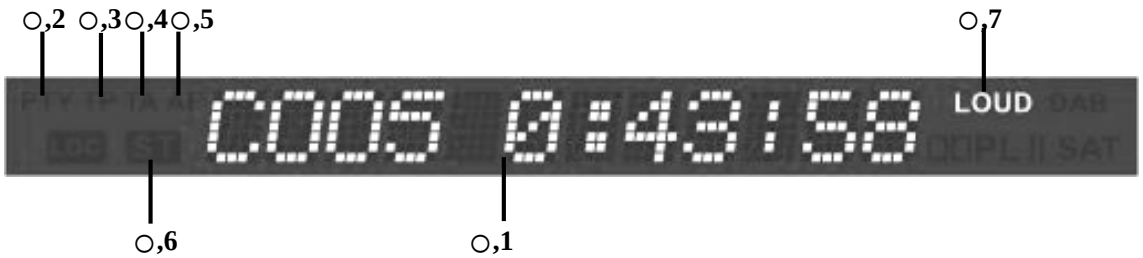
Press to switch between FM and AM.

○,24 IR REMOTE CONTROL RECEIVER.

○,25 REL (Release)

Press REL to release the detachable front panel
The radio will go into sleep mode and will not turn on unless the front panel is reattached.

LED Display / Indicators



○,1 Main Display

Display the time, tuning frequency and other text information.

○,2 Program Type (PTY) indicator

○,3 Traffic Program (TP) indicator

○,4 Traffic Announcement (TA) indicator

○,5 Alternative Frequency (AF) indicator

○,6 Stereo broadcasting indicator

Indicates the radio is in stereo mode or not

○,7 Loudness indicator

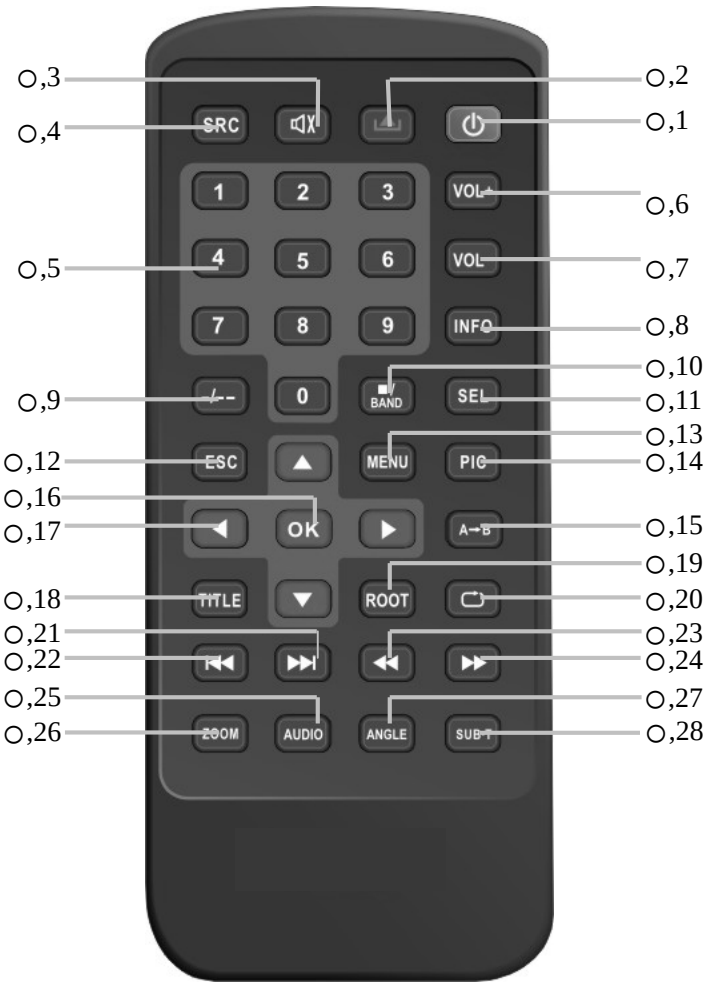
Indicates the LOUD function is activated or not.

The key areas of touch screen

The touch key areas are outlined below，for DVD, VCD playback mode.

A — Return to MAIN menu
B — DISP key: Displays playing information
C — Select previous chapter
D — Select next chapter
E — Display the onscreen controls, and different mode display s different menu.
F —On DVD/VCD mode, displays the GOTO search menu on the screen directly.

Remote Control



Key	Name	Signal	Function
1	Power	⏻	Turns the power on/off
2	Open	⏏	Open/close the TFT monitor
3	Mute	🔇	Toggles on/off audio output
4	SRC	SRC	Selects playing mode
5	Numeric button	1.2.3.4.5. 6.7.8.9.0	Directly access chapter/track/preset station for current band
6	VOL up	VOL+	Increase volume
7	VOL down	VOL−	Decrease volume
8	Information	INFO	Displays playing information
9	GOTO search	-/--	Search function in the VCD/DVD disc
10	Stop/Band	■/ BAND	Selects FM/AM band on Tuner mode Stop playback on other mode
11	Select	SEL	Enter the audio setting
12	ESC	ESC	Exit the current menu
13	Menu	MENU	Enters the main menu of system
14	Picture	PIC	Parameter of TFT setting
15	Repeat A→B	A→B	Setup to repeat playback from time frame A to time frame B

Key	Name	Signal	Function
16	OK	OK	Starts/pauses playback or confirm settings
17	Direction buttons		Up/down/left/right to select items for setting
18	Title	TITLE	Enter the title menu
19	Root	ROOT	Enters the main menu of the disc Turn on PBC when playing VCD
20	Repeat		Repeat playback of current chapter
21	Next		Selects the next chapter/track for playback Searches an available radio station by increasing tuning frequency
22	Previous		Selects the previous chapter/track for playback Searches an available radio station by decreasing tuning frequency
23	Fast Reverse		Fast reverse the disc content
24	Fast Forward		Fast forward the disc content
25	Audio	AUDIO	Change the audio language for disc playback
26	Zoom	ZOOM	Zooming in/out on an image
27	Angle	ANGLE	Plays back disc in different angel for a scene
28	SUB Title	SUB·T	Language selection for subtitle

Using the TFT Monitor

Open/Close TFT Monitor

Press the (⏏) button on the front panel or on the remote control to open/close the TFT monitor.

TFT Monitor Auto Open

·If "TFT Auto Open" is "On", when the unit is turned on, the monitor automatically moves to the last viewing position.
·If "TFT Auto Open" is "Off", when the unit is turned on, press the (⏏) button on the front panel or on the remote control to move the monitor into the desired viewing position.
·If "TFT Auto Open" is "Manual" when the unit is turned on or turned off, the monitor is no any movement.
See "General setting" for more instructions.

Monitor Tilt Angle Adjustment

The monitor angle can be adjusted for optimum viewing using one of the following methods:
• Press the (^) or (v) buttons on the front of the unit to adjust the tilt angle of the screen one step at a time.
• Press and hold the (^) or (v) buttons to continuously adjust the tilt angle.

Rear Camera Mode

When the vehicle is placed in "Reverse", and an optional re ar camera is connected to the unit, the TFT monitor will automatically switch to the camera input source.

Image Setting

Video Output Format

The nether table shows the video output format for each playing source.

Video Output Format

Playing Source	Video Output Format
FM/AM Tuner	RGB Mode
DVD	RGB Mode
AUX IN	CVBS Mode
CAMERA	CVBS Mode

*CVBS-- Composite Video Base band Signal

Adjustable Parameters

While in RGB mode, the only parameter that can be adjusted is brightness (BRIGHT). To access "PICTURE","COLOR", "CONTRAST", and "BRIGHT you must be in CVBS mode.

Parameter Adjustment Procedure

1. **Enter Picture Quality Setting mode:**
Press the **PIC** button on the remote or press and hold the **INFO** button on the unit.
2. **Select Item to Set:**
Press the ▲ / ▼ buttons on the remote or rotate the **ENTER** button clockwise/anticlockwise to select a item.
3. **Set Parameters:**
Press the ◀ / ▶ buttons on the remote or press the **ANGLE** button (v / ^) on the front panel to adjust the selected feature to the desired setting.
4. **Exit Picture Quality Setting Mode:**
Press the **PIC** button on the remote or press and hold the **INFO** button on the unit.

Parking Brake Inhibit

• Follow the installation circuit diagram. Connect the "PARKING" cable to brake switch. There will be video display until the brake is active. And should be pass through like that:
Initialization is "High" : High—Low—High—Low—wait for 5 sec—video display.
Initialization is "Low" : Low—High—Low—High—Low—wait for 5 sec—video display.
In which "High" : brake is in non-active state, and operating voltage is high in the circuit.
"Low" : brake is in active state and operating voltage is low in the circuit.
The transform time must be less than 2 sec between "High—Low"/"Low—High".
When the "PARKING" line is impending, no video display.
• Parking brake function is overridden when the video source is set to CAMERA.
• When the parking brake inhibit is active, the front monitor displays Caution, preventing the driver from watching content while driving.
• All of the above setup prevent the drive from disturbing, ensure safe driving.

Monitor Movement Mechanism

If an obstruction occurs in the monitor path, the motion will stop automatically to prevent damage to the mechanism and monitor.
Normal operation is resumed by pressing the (⏏) button or disconnecting and reconnecting the power.

Operating Instructions

Power On / Off

·Press the **VOL** button to turn the unit on. The buttons on the front of the unit light up and "WELCOME" appears briefly in the LCD panel, followed by the current mode status. If the TFT screen is open, only the current mode status is displayed.

·You can also turn on the unit by pressing the button (⏻) on the remote and open the TFT screen.

·Press and hold the **VOL** button on the front panel to power off the unit. The monitor is drawn back into the main compartment and the LCD screen displays "BYE BYE" at the same time.

·You can also turn off the unit by pressing the button (⏻) on the remote.

Playing Source Selection

Press the **MODE** button on the front panel or the **SRC** button on the remote to change among available playing sources: TUNER, Disc, AUX IN, iPod, CAMERA (rear view video camera). The playing mode is displayed on the TFT or LCD screen.

AUX IN Mode

An external peripheral device can be connected to this unit via RCA output to the "AUX IN".

CAMERA Mode

"CAMERA" mode is only available if a camera is connected and during reverses driving. To install a rear view video camera, connect the video input cable to the camera output cable.

Volume Adjustment

To increase or decrease the volume level, turn the **VOL** button on the front panel or press the **VOL+/ VOL-** buttons on the remote control. The volume ranges from "0" to "40". The LCD screen displays the volume level for 3 seconds.

Default volume memory setup: Rotate **VOL** knob on the front panel to select volume value and then press and hold the knob till hear a single sound. If this goes, the setup is complete.

Audio Control Menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. To get the best possible sound quality from your new system, be sure to adjust the suitable settings for the speakers as well. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

Accessing the Audio Control Menu

Press the **VOL** button on the front panel once or press the **SEL** on the remote control to display the "Audio" menu.

Selecting an Audio Feature for Adjustment

·Press the ▲ / ▼ buttons on the remote to select a item to be adjusted.

·Press the **VOL** button on the front panel once a item to be selected.

Adjusting an Audio Feature

·Press the ◀ / ▶ buttons on the remote

·Rotate the **VOL** button clockwise/anticlockwise to adjust the selected feature to the desired setting.

Audio Adjustments

Audio Function	Adjustable Range
EQ	User
	Flat
	Jazz
	Pop
	Classical
BASS	-7 to +7
TREBLE	-7 to +7
FADE	-9 to +9
BAL	-9 to +9
SUB	-7 to +7
LOUD	Off, On

NOTE: The Bass and Treble levels are only adjustable when EQ is set to "User" mode.
The Loud function compensates for deficiencies in sound ranges at low levels. When the Loud function is on, LOUD is displayed on the screen.

Exiting the Audio Control Menu

Press the escape arrow on the top right corner of the TFT display.
Press the **ESC** button on the remote control to exit the audio control menu.

System Reset

To correct a system halt or other illegal operation, use the tip of a pen to press the **RESET** button located on the front bottom-right corner of the unit. After a system reset, the unit system setup (except the DVD setup and "Radio" in "GENERAL" setup) restores the setting before last power off.

Mute

• Press the **MUTE** button on the front panel or the **MUTE** button ( ) on the remote to mute the volume from the unit.

System Setup Menu

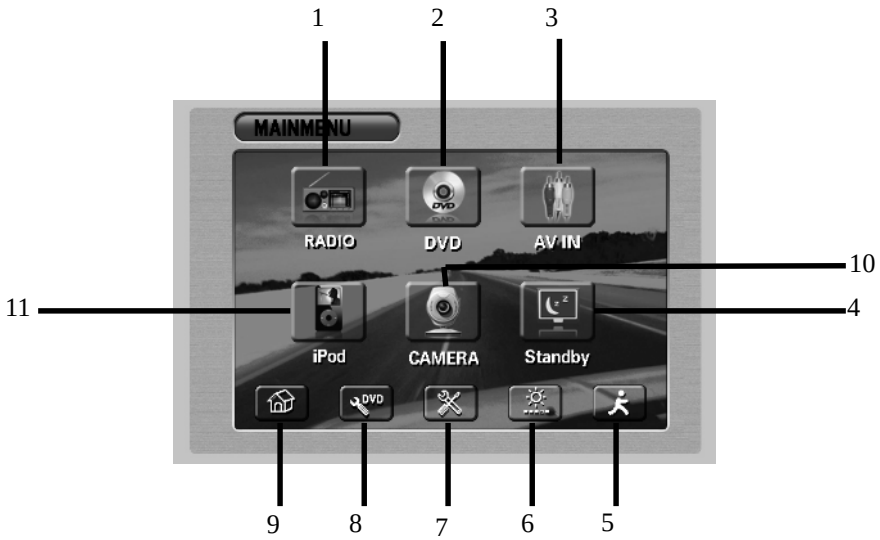
MAIN Menu

There are three methods to access the **MAIN** menu.

·Press the **ENTER** button on the front panel .

·Press the **MENU** button on the remote control.

·Touch the **A area** on the touch-screen.



1. Touch to access Radio mode
2. Touch to access DVD mode
3. Touch to access AUX IN mode
4. Touch to access Standby mode
5. Touch to exit MAIN menu
6. Touch to access SCREEN setup menu
7. Touch to access GENERAL setup menu
8. Touch to access DVD setup menu
9. Touch to return to the previous menu
10. Touch to access CAMERA mode
11. Toutch to access Ipod mode

Note: Remote, touch screen operations and buttons on front panel are all useable to select menu and adjust "SETTING". The following instructions will show all the different ways to access menus and adjustments.

SCREEN Setup Menu

Accessing the SCREEN Setup Menu

·Select the button 6 on the screen to access the SCREEN setup.

Selecting a Feature for Adjustment

Press the ▲/▼ buttons on the remote to select a feature to be adjusted.

Rotate **ENTER** clockwise/anticlockwise to select a feature to be adjusted.

Touch directly the options on the screen to select a feature to be adjusted.

Adjusting a Feature

Setting	Options	Function
Brightness	-10 to +10	Select to adjust the Brightness to the desired setting.
Screen Tilt	1 to 6	Select (1 to 6) to adjust the tilt of the screen.
Screen Saver	Off	Select to activate/deactivate the Screen Saver.
	On	
TS Calibrate	No	Touch "Yes" to enter the touch-screen calibrate mode.
	Yes	
Firmware Version		the firmware version of this unit.

GENERAL Setup Menu

Accessing the General Setup Menu

·Press the button 7 on the screen to access the GENERAL setup.

Selecting a Feature for Adjustment

Press the direction buttons on the remote control or touch the option directly on the screen to select the feature to be adjusted.

Adjusting a Feature

1. Enter the option field for the feature you want to adjust by pressing the **OK** button on the remote or by pressing the **ENTER** button. A submenu appears in a second row with the selected option highlighted in light yellow.
2. Select a new value by pressing the direction button or touch it directly.
3. Confirm your selection by pressing **OK** button or pressing the **ENTER** button. The new value setup is complete.

Adjusting the Clock

1. Access the "Clock" setting under the General Setup menu.
2. Press the direction button on the remote to move the cursor to the "Hour" or "Min" position, and press the OK button. You also can touch the "Hour" or "Min" position directly.
3. The numeric keypad will be popped up.
4. Press the numeric button on the remote control or touch the numeric keypad on the screen to adjust the hour or minutes.
5. Press the **OK** button on the remote control or on the keypad of the screen to confirm setup.

Return to normal playback

The system will automatically return the previous playback mode that before accessing the setup menu after setting with no operation.

Setting	Options	Function
Radio	USA	Select the appropriate setting based on the country in which you reside.
	S-America	
	Europe	
Clock	(HH:MM)	See "Adjusting the clock" to learn how to set the clock.
Clock Mode	12Hr	Clock displays 12 hour time using AM and PM.
	24Hr	Clock displays 24 hour time up to 23:59
Camera Image	Normal	The output of Camera Image is in normal mode
	Reverse	The output of Camera Image is in reverse mode
Video Format	Auto	The video output is switched automatically based on the current disc.
	NTSC	The color signal are output in the standard NTSC format
	PAL	The color signal are output in the standard PAL format

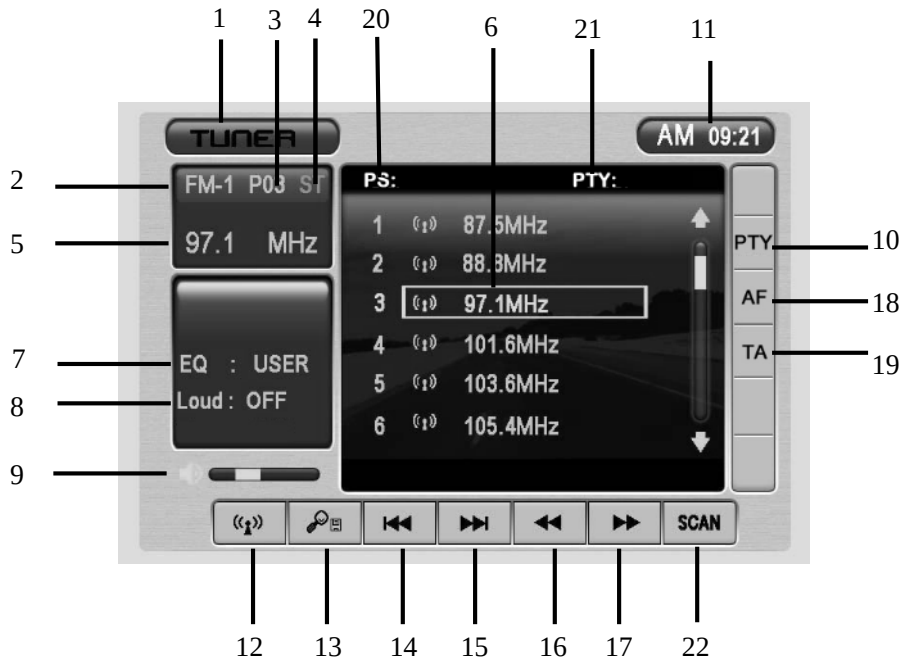
TFT Auto Open	On	The TFT panel automatically opens when the unit is turned on.
	Off	You must press the ⏏ button on the TFT panel or on the remote to open the TFT.
	Manual	The monitor is no any movement when the unit is turned on or turned off.
OSD Menu	English	The menus are displayed in English
	German	The menus are displayed in German
	French	The menus are displayed in French
	Dutch	The menus are displayed in Dutch

Standby

1. Touch the button 4 to access Standby mode.
2. In the standby mode, the unit stands in low-power waste state with audio output only and no video outputs.
3. In the standby mode, it will turn to normal by any operation.

Radio (FM/AM) Operation

Radio TFT display



1. Current Source information, touch this area to return to MAIN menu
2. Current Radio Band Indicator
3. Current Preset Station playing Indicator
4. Stereo Broadcasting Indicator
5. Radio Frequency Indicator
6. Preset Radio Stations: Touch to recall preset stations or touch and hold to store a station.
7. User Defined Equalizer Lever
8. Loud Setting Indicator
9. Volume Indicator
10. Touch to activate/deactivate PTY (Program Type) function
11. Current time Indicator
12. Touch to change among the following bands: FM-1, FM-2, FM-3, AM-1 and AM-2.
13. Touch to automatically scan and store stations in current radio band
14. Touch to seek backward.
15. Touch to seek forward.
16. Touch to decrease one step at a time.
17. Touch to increase one step at a time.
18. Touch to activate/deactivate AF (Alternative Frequency) function.
19. Touch to activate/deactivate TA (Traffic Announcement) function.
20. Display PS (Program Service).
21. Display Program Type.
22. Touch to activate/deactivate Scan Mode

Switch to Radio Tuner source

Press the **MODE** button on the front panel or press the **SRC** button on the remote control to switch to the **Tuner** source .you can also access the tuner mode from the MAIN menu directly.

Select FM/AM Band

Touch the BAND button ( ) on the screen, or press the **BAND** button on the remote control or on the front panel to change among the following bands: FM-1, FM-2, FM-3, AM-1 and AM-2.

Auto Tuning

Press the button (⏭) on the remote control or touch the button on the screen to seek the next available channel by increasing the tuning frequency. Press the button again to stop searching.

Press the button (⏮) on the remote control or touch the button on the screen to seek the next available channel by decreasing the tuning frequency. Press the button again to stop searching.

Manual Tuning

Press the button (⏩) on the remote control or touch the button to increase the tuning frequency one step at a time.

Press the button (⏪) on the remote control or touch the button to decrease the tuning frequency one step at a time.

Using Preset Stations

6 numbered preset buttons store and recall stations for each band. Front 6 stored stations (1-6) for the current band appear on the screen, touch the channel directly or press the buttons (1-6) on the front panel for use.

You can touch the arrow button ( ) on the screen to select other stations.

Storing a Station

1. Select a band (if needed), then select a station.
2. Touch and hold an onscreen preset button. The preset number appears at the top of the screen.
3. Press and hold the buttons (1-6) on the front panel to store the current radio station.

Recalling a Station

1. Select a band (if needed).
2. Touch an on-screen preset button (3) to select the corresponding stored station.
3. Press the buttons (1-6) on the front panel to select the corresponding stored station.

Auto Store (AS)

Press the **AS/PS** button on the panel or touch the button on the screen to automatic scan and store strong radio stations in the 6 preset channels in the current band.

Program Scan (PS)

1. Press and hold the **AS/PS** button on the panel to automatic scan radio stations stored in the 6 preset channels in the current band.
2. Touch the button on the screen to automatic scan radio stations in the current band.
3. Press any button to stop scan while find the desired station.

Seek the PTY (Program Type)

Touch in the screen to enter PTY menu. then touch to select one in the PTY menu, the unit will auto seek the next available PTY by increasing tuning frequency u ntil the program type matches the PTY, if no matched was found ,the tuner will return to original radio and "None" is displayed .

AF(Alternative Frequency/Auto Following) **Function**

Touch in the screen to activate/deactivate AF function. When AF is activated and a radio signal is too weak, the tuner auto switches to the best alternative frequency.

Note: During auto switching radio frequency, some interference could be heard, turn off AF function can cease this issue.

TA(Traffic Announcement) **Function**

Touch TA in the screen to activate/deactivate AF function. When TA is activated, the unit will auto seek an available TP or TA station .After the seeking, no matter if PTY was found, the tuner will auto seek each 1 minutes.

When TA is activated and a traffic announcement is received in any mode other than TUNER, the current playing mode is overridden, and it lets you receive traffic announcements automatically. When traffic announcement is over, the current playing mode will be resumed.

CT (Clock Time) Function

Some stations broadcast the clock and date within the encoded RDS signal, when the clock is received, the unit will automatically adjust the clock time.

PI Seek

When RDS signal is lost for a long period, the radio will automatically seek a frequency matching with current station PI

Note: PI seeking function is available when AF is activated.

DVD Player Operation

NOTE: When properly installed, DVD video cannot be displayed on the main TFT screen unless the parking brake is applied. If you attempt to play a DVD while the vehicle is moving, the TFT screen displays caution information with a blue background.

Insert/Eject Disc

Inserting a Disc

When inserting a DVD disc, DVD mode is entered and disc play begins automatically.

NOTE: If Parental Lock (Rating) is activated and the disc inserted is not authorized, the 4-digit code must be entered and/or the disc must be authorized (see "RATING (Parental Lock) Menu").

You cannot insert a disc if there is already a disc in the unit or the power is off.

NOTE: CD-R/RW, DVD-R/RW, DVD+R/RW will not play unless the recording session is closed.

Ejecting a Disc

Press the button ⏏ on the unit to eject the disc. The unit automatically reverts to Tuner mode.

Reset the Loading Mechanism

If the disc loads abnormally or an abnormal core mechanism operation occurs, press and hold the button ⏏ on the unit to reset the loading mechanism. The disc is ejected and normal operation resumes.

Accessing DVD Mode

To switch to DVD mode when a disc is already inserted, press the **MODE** button on the front panel until DVD appears at the top of the screen.

Using the Touch-Screen Controls

1. Touch to Play/Pause.
2. Touch to stop.
3. Touch to fast reverse.
4. Touch to fast forward.
5. Touch to repeat playback.
6. Touch to repeat from A to B
7. Touch to switch among LEFT, RIGHT and STEREO.
8. Touch to display Sub-title.
9. Touch to return to DVD main menu.

Controlling Playback

Stopping Playback

Touch the button on the screen or press the button on the remote control to stop DVD play and touch the button on the screen or the **OK** button on the remote control to resume disk play.

Pausing Playback

Touch the button on the screen or press the button ▶/II on the front panel to suspend or resume disc play.

Repeat Playback

Press the **Repeat** button on the screen or on the remote control to alter repeat mode according to the following:

- DVD: Repeat Title, Repeat Chapter, Repeat Off
- VCD (PBC Off): Repeat Single, Repeat Off
- MP3: Repeat Single, Repeat Folder, Repeat Off

NOTE: For VCD play, the repeat function is not available if PBC is on.

PBC (Play back Control) (VCD Only)

For VCD with play back functionality, play back control (PBC) provides additional controls for VCD playback.

Press the **ROOT** button on the remote control to toggle the PBC function "On"/"Off". Once PBC is on, playback starts from track one of the play list.

NOTE: When PBC is activated, fast forward, slow playback, and previous/next track are available. Repeat and direct track selections are not available. When PBC is activated, selecting random, scan, or search playback automatically deactivates PBC.

Sectional Repeat Function (A-B)

Use the A-B function to define a specific area of a disc to repeat.

- Press the **Repeat A-B** button A→B on the screen or on the remote control to set the start point (A) of the repeated section.
- Press the **Repeat A-B** button A→B again once you reach the desired end point (B) of the repeated section. The selected portion of the DVD will now repeat continuously.
- Press the **Repeat A-B** button again to cancel the A-B section setting and stop repeat play.

Accessing the DVD Menu

1. Touch the area E, and then touch the button to recall the main DVD menu.
2. Use the direction buttons on the remote to select a title from the menu.
3. Press the **TITLE** button on the remote control to select a different title for playback.
4. Press the **OK** button on the remote control or touch the item directly to confirm your selection and begin playback.

Moving Through Chapters

Press the ▶▶| button on the remote control to advance to the next chapter on the DVD.
Press the |◀◀ button on the remote control to move to the previous chapter on the DVD.

Fast Forward/Fast Reverse

Press the ▶▶ button on the remote control or touch the button on the screen to fast forward. Keep pressing or touching and releasing the button to increase the rate from "2X" to "4X", "8X", and "20X".

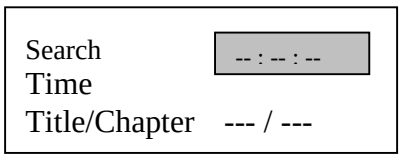
Press the ◀◀ button on the remote control or touch the button on the screen to fast reverse. Keep pressing or touching and releasing the button to increase the rate from "2X" to "4X", "8X", and "20X".

GOTO Search

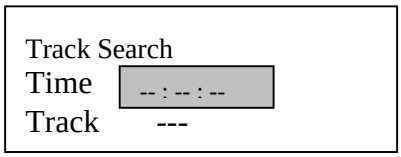
During DVD or VCD playback, perform the following steps to use the GOTO feature to access a specific location on a disc:

1. Press the **-/--** button on remote control or touch the Area F on the touch-screen to enter "GOTO" mode.
2. Press the ▲or▼ buttons on the remote control to select a category.

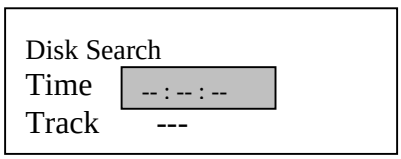
• For DVD mode, you can choose Time or Title/ Chapter search.
• For VCD mode, press the **-/--** button to choose between Track Search, Disc Search and Exit.



DVD Search
Time – Go to specific time in current title
Title/Chapter – Go to specific time in a chapter



VCD Track Search
Time – Go to specific time in the current track
Track – Go to specific track



VCD Disc Search
Time – Go to specific time on disc
Track – Go to specific track

3. You can touch the [ ] or --- / --- area to display the numeric keypad on the touch-screen.
4. Enter a time or chapter number into the field using the numeric keypad on the remote control or on the screen.
5. Press the **OK** button on the remote control or on the screen to go to the specified location on the disc.
6. Press the **-/--** button or touch the Area F on the touch-screen again to exit.

Direct Chapter / Track Selection

During DVD, VCD and CD playback, you can use the numeric keypad on the remote control to access a track directly.

Viewing an Alternate Picture Angle (DVD Only)

Some DVDs contain scenes that have been shot simultaneously from different angles. For discs recorded with multiple angles, press the **ANGLE** button on the remote control to toggle available angles of the on-screen image.

Multi-Language Discs (DVD Only)

Changing Audio Language

If you are watching a disc recorded in multiple languages, press the **AUDIO** button on the remote control to choose a language. You also can touch the area E, and then touch the button.

NOTE: During VCD playback, press the AUDIO button on the remote control to choose between Left Channel, Right Channel, and Stereo.

Changing Subtitle Language

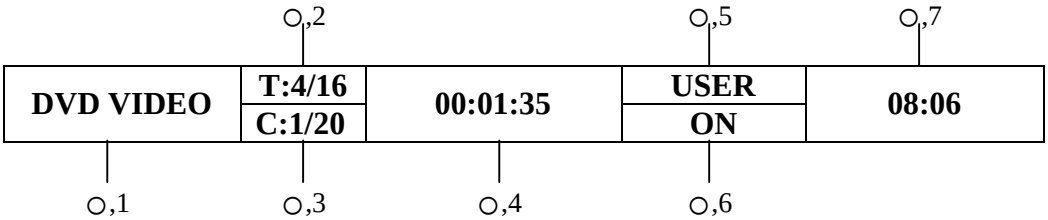
If you are watching a disc recorded in multiple languages with subtitles, press the **SUB-T** button on the remote control to choose the language in which you would like the subtitles to appear. You also can touch the area E, and then touch the SUB.T button.

Playback Information

During DVD and VCD playback, press the **INFO** button on the remote control or touch the area B to display playback information on the screen (media playing, current playback time…)

DVD Playback Information

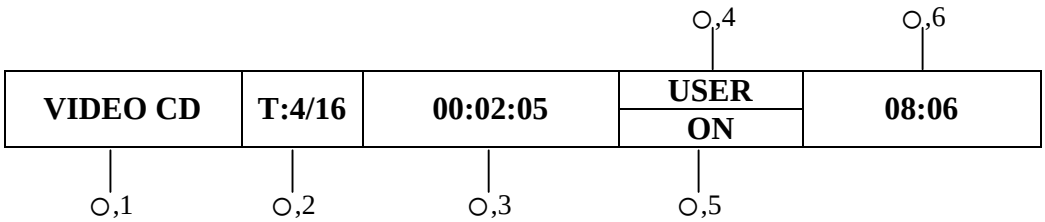
The following information is displayed at the top of the screen during DVD playback:



1- Indicates Current playing source.
2- Indicates the fourth of 16 titles on the DVD is currently playing
3- Indicates the first of 20 chapter on the DVD is currently playing
4- Indicates the playback time of the current title
5- Indicates User Defined Equalizer Lever
6- Indicates the Loud Setting
7- Indicates the current system time

VCD Playback Information

The following information is displayed at the top of the screen during VCD playback:

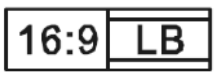


1- Indicates Current playing source
2- Indicates the forth of 16 tracks on the DVD is currently playing
3- Indicates the playback time of the current title
4- Indicates User Defined Equalizer Lever
5- Indicates the Loud Setting
6- Indicates the current system time

General Disc Information

Symbol	12cm Disc Properties	Max Play Time
	Single side single layer (DVD-5) Single side double layer (DVD-9) Double side single layer (DVD-10) Double side double layer (DVD-18)	(MPEG 2 Method) 133 minutes 242 minutes 266 minutes 484 minutes
	Single side single layer (VCD)	(MPEG 1 Method) 74 minutes
	Single side single layer	74 minutes

Disc Symbols

Symbol	Meaning
	Number of voice languages recorded. The number inside the icon indicates the number languages on the disc (maximum of 8).
	Number of subtitle languages available on the disc (maximum of 32).
	Number of angles provided (maximum of 9).
	Aspect ratios available. “LB” stands for Letter Box and “PS” stands for Pan/Scan. In the example on the left, the 16:9 video can be converted to Letter Box video.
	Indicates the region code where the disc can be played. • Region 1: USA, Canada, East Pacific Ocean Islands • Region 2: Japan, Western Europe, Northern Europe, Egypt, South Africa, Middle East • Region 3: Taiwan, Hong Kong, South Korea, Thailand, Indonesia, South-East Asia • Region 4: Australia, New Zealand, Middle and South America, South Pacific Ocean Islands/ Oceania • Region 5: Russia, Mongolia, India, Middle Asia, Eastern Europe, North Korea, North Africa, North-West Asia • Region 6: Mainland China • ALL: All regions

DVD Setup Menu

In "DVD Setup" mode, "LANGUAGE", "VIDEO", "RATING" (parental lock) are available for setup. This operation can be performed using the **ENTER** button, the remote control or touch screen.

Accessing the DVD Setup Screen

If DVD is selected as the playing source, you can access DVD setup screen through following methods:

- Press the **ENTER** button on the right panel or touch the area A to access the **MAIN** menu, and then touch the button 8 to access DVD Setup Screen.
- Press the **MENU** button on the remote control, press the direction button to select the button 8 and press the **OK** button to access.

Accessing a Menu

To access a menu (LANGUAGE, VIDEO, RATING), press the direction buttons on the remote control to highlight the desired menu in yellow. You can also touch the on-screen menu selection to access that menu.

NOTE: Once the DVD setup is complete, the settings are memorised. To return to the factory default settings, adjust the "Load Factory "in the RATING Menu. (See RATING Menu)

Selecting a Feature for Adjustment

Once inside a menu, press the ▲ or ▼ on the remote control or touch the item directly to select the feature to be adjusted.

Adjusting a Feature

1. Enter the option field for the feature you want to adjus t by pressing the **OK** button on the remote or by pressing the **ENTER** button. A submenu appears in a second row with the selected option highlighted in light yellow.
2. Select a new value by pressing the ◀ or ▶ buttons on the remote control or rotate clockwise or anticlockwise the **ENTER** button.
3. Confirm your selection by pressing the **OK** button on the remote control, or press the **ENTER** button. The new value setup is complete.

LANGUAGE Menu

If a DVD supports more than 1 Subtitle or Audio language, all the languages are available for selection during playback. If the selected language is not supported by the DVD, then the default language is used. During playback, press the **SUB-T** or **AUDIO** button on the remote control to change the language directly. This will not affect the DVD menu settings.

LANGUAGE Menu Features

Setting	Options	Function
Subtitle	English	Select the default language in which you would like subtitles (if applicable) to be displayed.
	German	
	French	
	Dutch	
	Auto	
	Off	
Audio	English	Select the default language in which you would like audio (when optional) to be played.
	German	
	French	
	Dutch	
DVD Menu	English	Select the default language in which you would like the DVD menu (if applicable) to be displayed.
	German	
	French	
	Dutch	
External Subtitle	English	Select the default External language in which you would like subtitles (if applicable) to Auto be displayed.
	WesternEur	
	CenterEur	

VIDEO Menu

VIDEO Menu Features

Setting	Options	Function
TV Shape (Aspect Ratio)	4:3	Image is presented in wide view with 4:3 aspect ratio.
	16:9	Image is presented in wide view with 16:9 aspect ratio.
Angle Mark	On	Angle indicator (if applicable) is shown.
	Off	Angle indicator is not shown.
View Mode	FILL	
	Original	
	H FIT	
	W FIT	
	Fit to Scan	
	Pan Scan	

NOTE: For standard discs not formatted for "widescreen", use of the 16:9 aspect ratio will result in image distortion.

RATING (Parental Lock) Menu

The DVD system has a built-in parental lock feature to prevent unauthorized persons from viewing restricted disc content. By default, the rating system is unlocked. Once setup, the parental lock is released only by entering the correct password. When the password is entered correctly, rating is available for setup.

RATING Menu Features

Setting	Options	Function
Password	----	Enter a 4-digit password to activate the "Rating" feature.
Rating	1. Kid Safe	Select the appropriate rating level for the intended audience. You may override higher ratings by using your password.
	2. G	
	3.PG	
	4. PG-13	
	5. PG-R	
	6. R	
	7. NC-17	
	8. Adult	
Load Factory	No	Select "Yes" to restore the factory default settings for the DVD setup only (except the password and parental lock setting).
	Yes	

To reset the password, access the "RATING" menu and enter the current password. Once the correct password is entered, you can access the "Password" field and enter a new one.

NOTE: Record the password and keep it in a safe place for future reference. The rating for each disc is marked on the disc, disc packing, or documentation. If the rating is not available on the disc, the parental lock feature is unavailable. Some discs restrict only portions of the disc and the appropriate content will play. For details, please refer to the disc description.

CD/MP3/WMA/JPEG Operation

Instructions for Insert/Eject, Play/Pause, Stopping Playback, Track Selection, Fast Forward/Fast Reverse, Scan, and Random Play are the same for DVD, CD and MP3 operation. Please see the DVD Player Operation section for information about these topics.

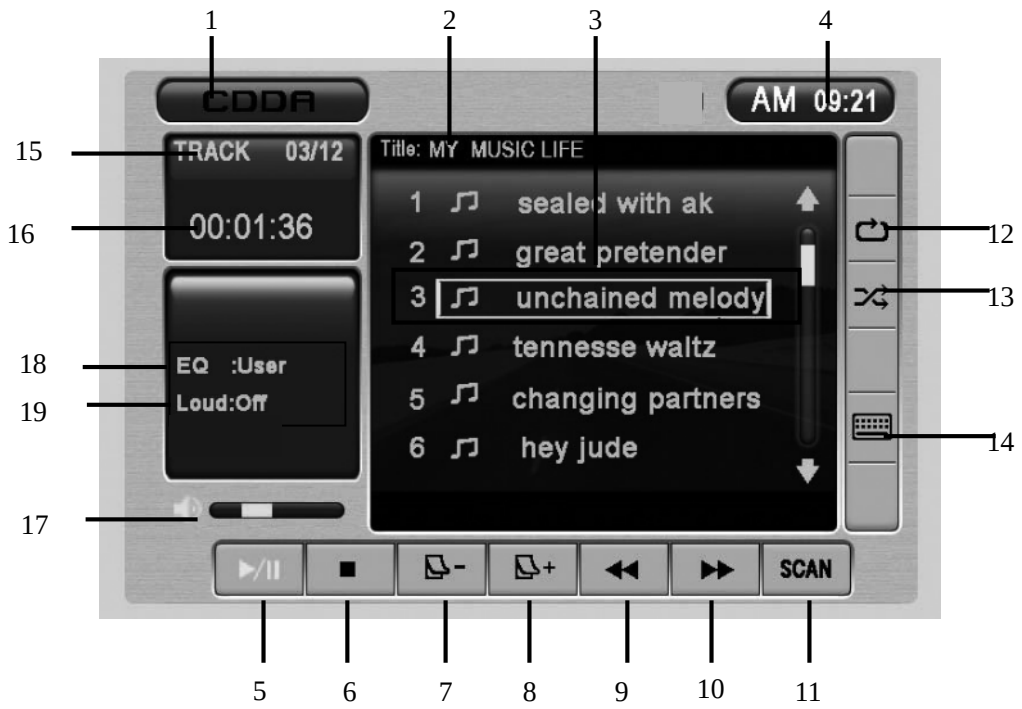
NOTE: CD-R and CD-RW will not play unless the recording session is closed.

The file naming formats listed below are compatible with this unit:

- ISO 9660 – file name: 12 characters, file extension: 3 characters
- ISO 9660 – file name: 31 characters, file extension: 3 characters
- Joliet – 64 characters

If the file or folder name does not conform to ISO 9660 file system standards, it may not be displayed or played back correctly.

CD Player User Interface



1. Current source indicator, touch this area to access MAIN menu.
2. Disk title
3. Track title
4. Current time
5. Touch to play/pause disc playback
6. Touch to stop disc playback
7. Touch to turn to the previous page
8. Touch to turn to the next page
9. Touch to fast backward current track
10. Touch to fast forward current track
11. Touch to activate/deactivate Scan Mode
12. Touch to activate/deactivate Repeat Single Mode
13. Touch to activate/deactivate Random Mode
14. Touch to display the numeric keypad on the screen to access a track directly.
15. Current track and total number of tracks on disk
16. Elapsed playing time
17. Volume indicator
18. User Defined Equalizer Lever
19. Loud Setting Indicator

Playing CD Files

After inserting a CD disc, files will play in the sequence of the all directory. In playing mode, you can press the numeric button on the remote control or touch the track directly to play.

Previous/Next Page

Touch the or on the screen to navigate through the pages/files.

Fast backward/fast forward

Touch the or on the screen to fast backward or fast forward play.

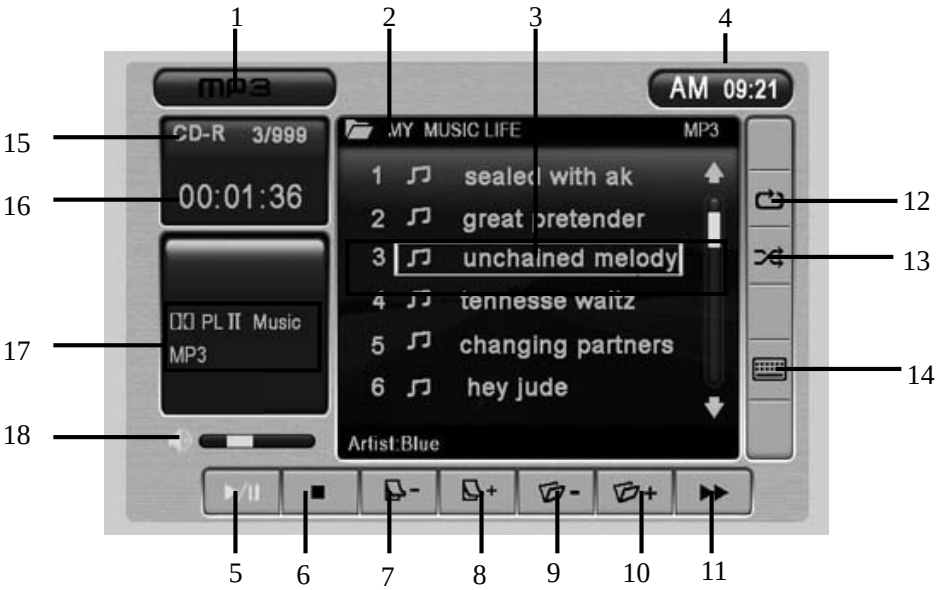
MP3/WMA Discs

This player allows you to playback MP3 files recorded on CDROM, CD-R, and CD-RW. For CD-RW discs, please make sure it is formatted using the full method and not the quick method to prevent illegal disc operation. Use the following settings when compressing audio data for your MP3 disc:

• Transfer Bit Rate: 320kbps

• Sampling Frequency: 48kHz

When recording MP3 up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to maximum disc capacity, use the "Disc at once" setting.



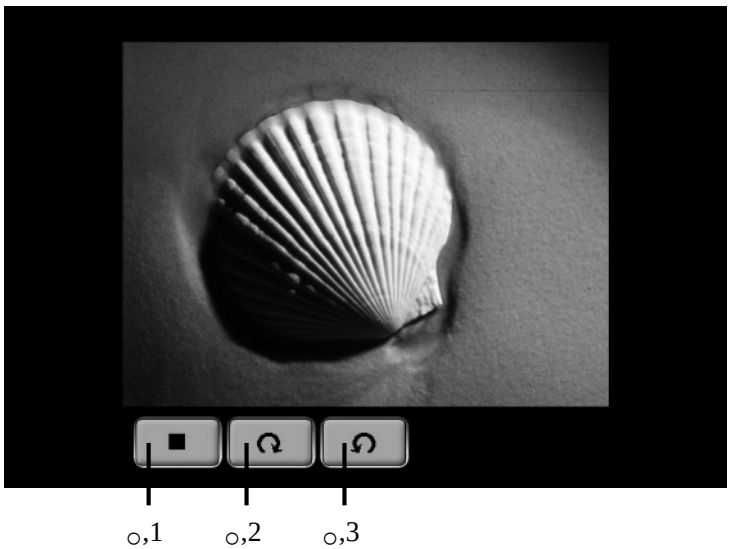
1. Current source indicator, touch this area to access **MAIN** menu.
2. Disk title
3. Track title
4. Current time
5. Touch to play/pause disc playback
6. Touch to stop disc playback
7. Touch to turn to the previous page
8. Touch to turn to the next page
9. Touch to display previous folder
10. Touch to display next folder
11. Touch to fast forward current track
12. Touch to activate/deactivate Repeat Single Mode
13. Touch to activate/deactivate Random Mode
14. Touch to display the numeric keypad on the screen to access a track directly.
15. The disk format indicator, and current track and total number of tracks on disk
16. Elapsed playing time
17. playback information
18. Volume indicator

Playing MP3/WMA Files
After inserting a MP3/WMA disc, files will play in the sequence of the all directory. In playing back, you can press the numeric button on the remote control or touch the a track directly to play.

Change Directory
Touch the or on the screen to navigate through the directories/folders.

Previous/Next Page
Touch the or on the screen to navigate through the pages/files.

JPEG Discs



1. Stop playback and return to the picture list
2. Rotate picture clockwise 90°
3. Rotate picture anticlockwise 90°

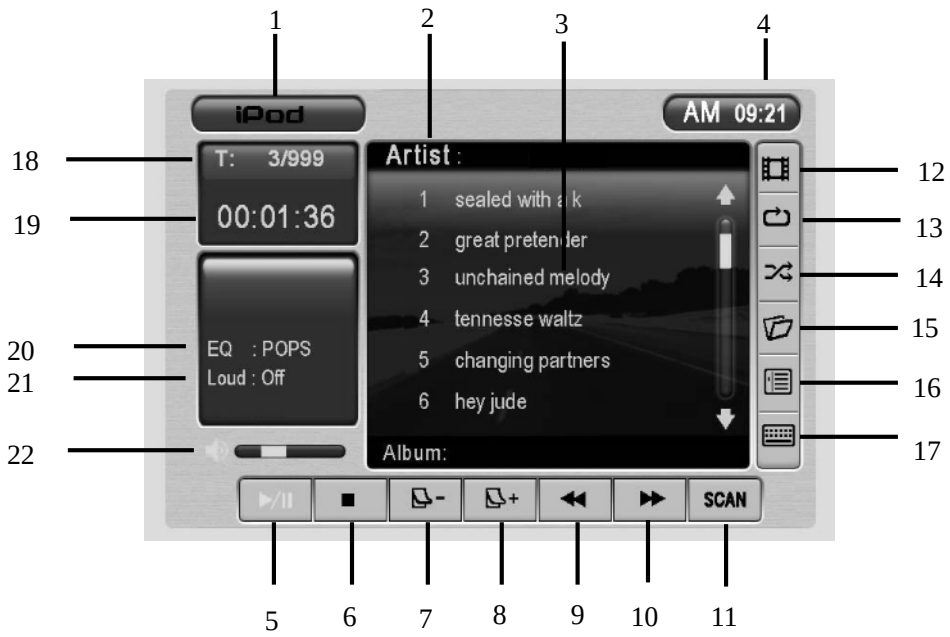
IPod Operation

Accessing iPod Mode

1. To switch to iPod mode, press the **SRC** button on the front panel or the (**SRC)** button on the remote control repeatedly until iPod appears at the top left corner of the screen.
2. Select the Main menu, then touch the iPod icon to select iPod as your source.

IPod Instructions

The touch keys on the screen for iPod playback are described below.



1. Current source indicator, touch this area to acce ss **MAIN** menu.
2. Disk title
3. Track title
4. Current time
5. Touch to play/pause disc playback
6. Touch to stop disc playback
7. Touch to turn to the previous page
8. Touch to turn to the next page
9. Touch to fast backward current track
10. Touch to fast forward current track
11. Touch to activate/deactivate Scan Mode
12. Touch to wait for iPod video/photo
13. Touch to activate/deactivate Repeat Single Mode
14. Touch to activate/deactivate Random Mode
15. Touch to access root directory list
16. Touch to display track list
17. Touch to display a numeric keypad on the screen to access a track directly.
18. Current track and total number of tracks on disk
19. Elapsed playing time
20. User Defined Equalizer Lever
21. Loud Setting Indicator
22. Volume indicator

According to the above instruction 16, when you press the button, the touch screen will display the following.

The TFT displays the root directory list classified by the iPod, from which you can select your favorite songs.
You can choose a play list from your iPod play lists and then select a song to listen to.

Playback of video on iPod

For playback of video on iPod, press the button to enter, the touch screen will display the following.

If there are videos on iPod and you select them on iPod, they will start to play, otherwise there will be nothing on the display. However, you can return to listen to your music by pressing the button again.

Troubleshooting

Problem	Cause	Corrective Action
GENERAL		
Unit will not power on	Radio Fuse blown	Install new fuse with correct rating
	Car battery fuse blown	Install new fuse with correct rating
	Illegal operation	Press the RESET button located in the bottom right corner of the front panel
No/low audio output	Improper audio output connection	Check wiring and correct
	Volume set too low	Increase volume level
	Improper “MUTE” connection	Review wiring diagram and check “MUTE” connection
	Speakers damaged	Replace speakers
	Heavily biased volume balance	Adjust the channel balance to the center position
	Speaker wiring is in contact with metal part of car	Insulate all speaker wiring connections
Poor sound quality or distortion	Pirated disc is in use	Use original copy
	Speaker power rating not compatible with unit	Connect proper speakers
	Speaker is shorted	Check speaker contact
Tel-Mute malfunction	“MUTE” wire is grounded	Check that “MUTE” connection is not grounded and that it’s properly insulated
Unit resets itself when engine is off	Incorrect connection between ACC and positive battery wire	Check wiring and correct
TFT MONITOR		
Monitor does not open automatically	TFT Auto Open is turned off	Turn TFT Auto Open on
No image	Incorrect connection to parking brake wire	Check wiring and correct
	PARKING is activated and parking brake is not engaged	Stop vehicle in safe place and apply parking brake
Flashing image or interference appears on screen	DVD is not compatible with current TV system settings	Change setup to accommodate disc
	Improper video signal connections	Check wiring and correct
Prolonged image or improper height/width ratio display	Improper aspect ratio setup	Use correct aspect ratio setting
Monitor stops at incorrect position	Moving path is blocked	Press OPEN key to restart monitor movement

TUNER		
Weak station searching	Auto antenna is not fully extended	Connect the auto antenna control cable properly
	Auto antenna not properly connected	Connect the auto antenna control cable properly
	LOCAL function is activated	Turn LOCAL function off
Cannot insert disc	Disc already inside unit	Eject current disc and insert new one
Disc does not play back	Disc is warped or scratched	Use disc in good condition
	Disc is dirty or wet	Clean disc with soft cloth
	Incompatible disc is used	Use compatible disc
	Disc rating exceeds Parental Lock rating limit	Change Parental Lock settings to lower restriction
	Disc region code is not compatible with unit	Use disc with proper region cod
	Disc is inserted upside down	Insert disc with label side up
Image blurred, distorted, or dark	Disc is illegally copied	Use original disc
PBC cannot be used during VCD playback	PBC is not available on the disc	
No repeat or searching while playing VCD	PBC is on	Turn PBC off
MP3		
Interruption occurred during playback	Disc is dirty or scratched	Clean disc or replace
	File is damaged/bad recording	Recreate disc with good files
Incorrect playback message displayed	Message is longer than LCD can display	

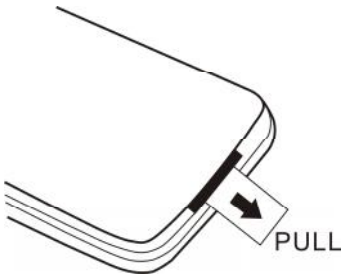
Error Messages

Message Displayed	Cause	Corrective Action
Loading	Disc is being read	
No Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
	Disc not present in loading compartment	Insert disc
Bad Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
	Disc is scratched and can’t be used again	Change a new one
Unknown disc	Disc format is not compatible with this unit	
Region Error	DVD is not compatible with region code of unit	
Error	illegal mechanism operation	Press EJECT key for 5 seconds to reset loading mechanism

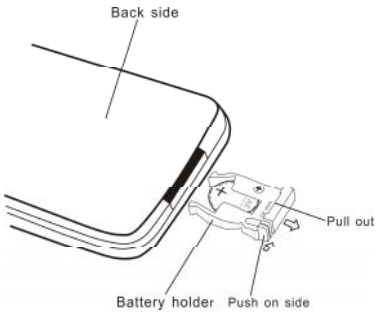
Remote control

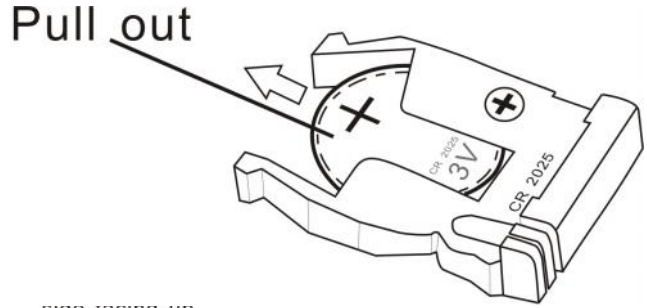
Remote control does not function	Battery is covered with insulation tape	Pull out the insulation tape
	Battery depleted	Replace battery with new one
	Battery badly installed	Remove battery and install correctly

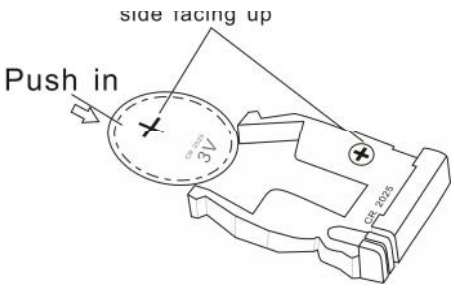
1. If you use a remote control first, you must pull out the insulation tape.



2. Remove the battery if the remote control is not used for a month or longer.
   Remove and dispose of the old battery immediately.
   Do not store the battery with metallic materials.
3. Inserting/Replacing the Battery:







NOTE: Use only one CR2025 (3V) lithium battery. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. Do not recharge, disassemble, heat or dispose of the battery in fire. Keep batteries away from children to avoid any accident.

Suggestions

1. Only use a piece of clean silicone cloth and neutral detergent to clean the monitor. A rough cloth and non neutral detergent (such as alcohol) may result in scratching or discoloration.
2. Get off water and other liquid things.
3. If the temperature inside the player gets too high, a protective circuit automatically stops playing the disc. Please wait for the unit to cool down before operating the player again.
4. Never insert anything other than 5" (12 cm) compact disc into the player as the mechanism can be damaged by foreign objects.
5. Do not attempt to use a 3" (8 cm) CD-Single disc in this unit, either with or without an adaptor, as it will damage the player and disc. It won't be covered by the Warranty on this product.
6. When the vehicle warms up during cold weather or under damp conditions, condensation may appear on the LCD panel. The screen won't operate properly until full evaporation.
7. We suggest that you should clean the discs used in this unit more frequently than used in your home, because of the environmental conditions of the vehicle.

Specifications

CEA Power Ratings

Main Amplifier

Power Output: 20 watts RMS X 4 channels into 4-ohms @ < 10% THD+N
Signal to Noise Ratio: 70dBA below reference. (Reference: 1 watt, 4-ohms)
MAX Power: 45 X 4 watts into 4-ohms, all channels driven
Frequency Response: 20Hz to 20kHz, -3dB. Aux input used as source reference
Reference Supply Voltage: 14.4VDC

DVD/CD Player

Compatible formats: DVD-R, DVD-RW, DVD+R, DVD+RW,CD-R, CD-RW, CD-DA, MP3, WMA, HDCD, SVCD, VCD,MPEG, JPEG, MP3/WMA files burned onto a DVD+R/W or DVD -R/W and CD-R/RW
Signal to Noise Ratio: 85dBA
Dynamic Range: >95dB
Frequency Response: 20Hz to 20kHz, -3dB
Channel Separation: > 60dB @ 1kHz
D/A Converter(s): 6-channel high performance 24-bit, 192kHz, multi-bit Sigma Delta modulation. DAC supports sample rates from 8~192kHz.
Electronic Skip Protection (ESP): DVD: 2-3 sec, CD-DA: 10 sec, MP3: 100 sec, WMA: 200 sec (ESP time is approximate)
Mechanical anti vibration ability: 10~200Hz, X/Y/Z direction: 1.0 G

Video Section

Format: NTSC, PAL (auto-detection)
Output: 1Vp-p (75-ohm), buffered
Input: 1Vp-p (75-ohm)

FM Tuner Section

Tuning Range: 87.5MHz - 107.9MHz
Mono Sensitivity (-30dB): 10dBf
Quieting Sensitivity (-50dB): 15dBu
Alternate Channel Selectivity: 70dB
Signal to Noise Ratio @ 1kHz: 58dB
Image Rejection: 60dB
Stereo Separation @ 1kHz: 30dB
Frequency Response: 30Hz - 15kHz, -3dB

AM Tuner Section

Tuning Range: 530kHz - 1710kHz
Sensitivity (-20dB): 20dBu
Signal to Noise Ratio @ 1kHz: 50dB
Image Rejection: 60dB
Frequency Response: 50Hz - 2kHz, -3dB

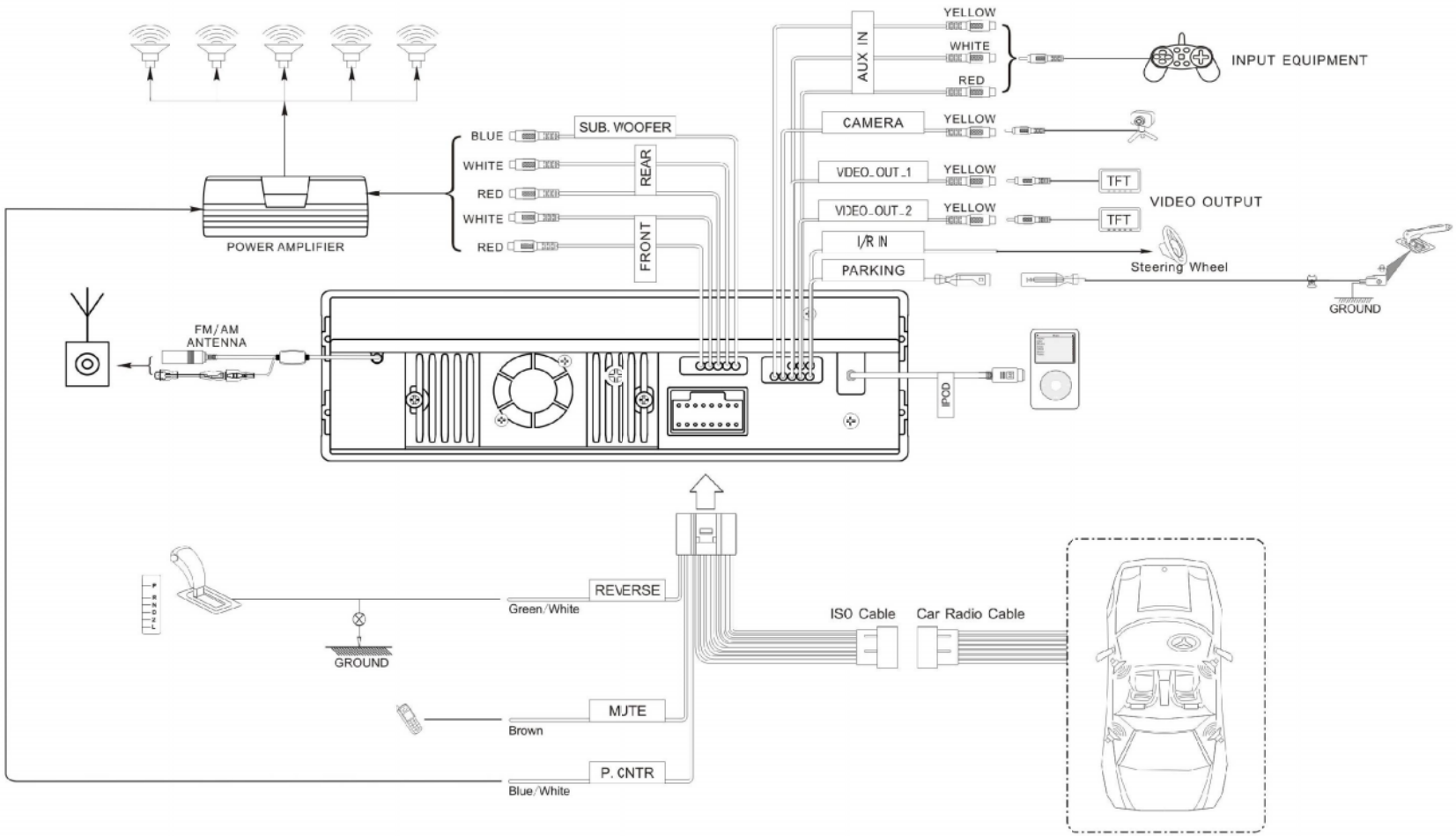
Monitor Section

Screen Size: 7.0" (Measured diagonally)
Screen Type: TFT Liquid Crystal Display (LCD) active matrix
Response Time: 30mSec rise time, 50mSec fall time
Resolution, DVD/Composite Video in: 336,960 sub pixels,
480 (W) X 234 (H) (RGB)
Viewing angle:
- 60 degrees left or right
- 30degrees up
- 60 degrees down

General Section

Auxiliary Input impedance: 10k
Power Supply: 11 to 16V DC, negative ground
Fuse: 10-amp, mini ATM type
DIN chassis dimensions: 7" X 2" (178mm x 54mm)
* Specifications subject to change without notice.

SEVIC Blue Laser SBL0304MP4 Multimedia Wiring Instruction



WARNING: Incorrect wiring connections can damage the unit. Follow wiring instructions carfully. or have the installation handled by an experienced technician.

Warranty Terms and Conditions

1) Coverage:
Claims can be validly made only upon presentation of proof of purchase through an invoice or receipt.

2) Application:
The present warranty enters into effect on the date of delivery to the user.

3) Period of validity:
2 years warranty for the device - 90 days for the accessories (components of the product).

4) Validity of warranty:
a) Without prejudice as to the legal guarantee according to article 1641ff of the civil code, the products are under warranty if used according to the directions included in the instructions.
b) The warranty is valid only for the first user conditionally to the device being used wisely and under normal conditions, i.e. suitable for the product.
c) The warranty covers all repairs and/or replacements of components and accessories which are recognized as being defective by our technical department, without any granting of damages.
d) The performance of the obligations resulting from the warranty does not entail an extension or renewal of the warranty period, except in case of components which are replaced and which fall under the legal guarantee (i.e. in case of exchange or repair under warranty, the period will be neither extended nor renewed. In this case, the warranty and the period of the first warranty will remain applicable).

5) Damages not covered:
As the device is recognized as being in good working condition and without noticeable defect, **THE WARRANTY DOES NOT COVER:**
Transport costs, nor charges relating to an intervention at the address of the purchaser. Scratches, splinters or marks in the packaging of the device or its accessories which were not noted at the time of delivery / breakable accessories, except in case of manufacturing defects recognized by our technical department. Moreover, we wave any liability for general damages resulting from a defect in the functioning of our devices and which are not relating to the devices themselves. This will in no case entitle to any indemnification for damages caused to disks because of a halt of the device.

6) Excemptions from the warranty are the following:
Interventions due to a faulty installation or connection / a failure in the electrical installation of the premises or vehicle or of nominal values provided for the supply of the device / a wrong manipulation or bad use by the user, insufficient or incorrect maintenance / a fall of or a blow to the device or an accessory / a lack of protection of the device and its accessories at the time of the transport by or for account of the user.

7) The warranty is cancelled:
For devices and accessories having been repaired or altered by persons not authorized by us or whose manufacturing number was altered or deleted.

8) For repairs: Please contact your retailer.

9) For any disputes or litigation: The law courts of Luxembourg are exclusively competent.

10) For all information:
SEVIC SYSTEMS Luxembourg S.A.
Zone Industrielle Breedewues
L-1259 Senningerberg (Luxembourg)
Phone: (+352) 26 34 57 29 Fax: (+352) 26 34 57 27
Email: svc@sevic.com Web site : www.sevic.com